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Sequence Listing was accepted.

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Reviewer: Durreshwar Anjum

Timestamp: [year=2008; month=3; day=11; hr=13; min=38; sec=8; ms=962; ]

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Application No: 10518414 Version No: 2.0

Input Set:

Output Set:

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Finished: 2008-02-26 18:40:12.027  
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 479 ms  
Total Warnings: 9  
Total Errors: 0  
No. of SeqIDs Defined: 10  
Actual SeqID Count: 10

Error code	Error Description
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W 213	Artificial or Unknown found in <213> in SEQ ID (3)
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W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)

# SEQUENCE LISTING

<110> Chr. Hansen A/S  
 Maarten van den Brink, Johannes  
 Harboe, Marianne K  
 Petersen, Steen Guldager  
 Rahbek-Nielsen, Henrik

<120> IMPROVED METHOD OF PRODUCING AN ASPARTIC PROTEASE POLYPEPTIDE IN  
 A RECOMBINANT HOST ORGANISM

<130> P1031US00

<140> 10518414

<141> 2005-08-30

<150> PA 2002 0092

<151> 2002-06-17

<160> 10

<170> PatentIn version 3.3

<210> 1

<211> 323

<212> PRT

<213> Bos taurus

<400> 1

Gly Glu Val Ala Ser Val Pro Leu Thr Asn Tyr Leu Asp Ser Gln Tyr  
 1 5 10 15

Phe Gly Lys Ile Tyr Leu Gly Thr Pro Pro Gln Glu Phe Thr Val Leu  
 20 25 30

Phe Asp Thr Gly Ser Ser Asp Phe Trp Val Pro Ser Ile Tyr Cys Lys  
 35 40 45

Ser Asn Ala Cys Lys Asn His Gln Arg Phe Asp Pro Arg Lys Ser Ser  
 50 55 60

Thr Phe Gln Asn Leu Gly Lys Pro Leu Ser Ile His Tyr Gly Thr Gly  
 65 70 75 80

Ser Met Gln Gly Ile Leu Gly Tyr Asp Thr Val Thr Val Ser Asn Ile  
 85 90 95

Val Asp Ile Gln Gln Thr Val Gly Leu Ser Thr Gln Glu Pro Gly Asp  
 100 105 110



<210> 2  
<211> 1142  
<212> DNA  
<213> artificial

<220>

<223> DNA fragment comprising a DNA fragment of 1138 bp designed to comprise a N-H-T glycosylation site and unique SalI and XhoI sites for cloning purposes (modB-XS).

<400> 2

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cggtcgaccg ctacggtgac tgacacctgg cgtgccgaga tcactcgcat cccctctac      60
aagggcaagt ctctgcgtaa ggctctcaag gagcacggtc tgctcgagga tttcctgcag    120
aagcagcagt acggcatcag ctctaagtac agcggtttcg gcgagggtggc cagcgtgcct    180
ctcactaact acctggacag ccagtacttc ggtaagatct accttggcac tccccctcag    240
gagttcaccg ttctgttcga tactgggttc agcgacttct gggttccctc catctactgt    300
aagagcaacg cttgcaagaa ccaccagcgc ttcgatcctc gcaagtccag caccttccag    360
aaccttggca agcccccttc catccactac ggtactggca gcatgcaggg tatecttggc    420
tacgacaccg ttaccgtgtc caacatcgtc gatattcagc agaccgtggg tctgagcacc    480
caggagcctg gcgatgtctt cacttacgcc gagttcgatg gtatcctcgg catggcttac    540
ccctccctgg cctctgagta ctctatccct gtgttcgaca acatgatgaa ccgccacctc    600
gtcgctcagg atctgttcag cgtgtacatg gaccgtaacg gtcaggagtc catgcttact    660
ctgggcgcca tcgatccctc ttactacacc ggttccctcc actgggttcc tgtgaccgtc    720
cagcagtact ggcagttcac cgtggacagc gtcactatct ccggcgtggg tgtggcttgc    780
gaggggtggc gtcaggccat ccttgatact ggtaccagca agctcgtcgg cccctccagc    840
gacatcctga acatccagca ggctatcggg gccacccaga accagtacgg cgagttcgat    900
atcgactgcg ataacctttc ttacatgcct actgtggttt tcgagatcaa cggtaagatg    960
taccacctta ctcttctgc ttacacttcc caggatcagg gcttctgtac ctctggtttc   1020
cagtctgaga accacagcca gaagtggatc cttggcgatg tcttcatccg cgagtactac   1080
tccgtcttcg accgtgccaa caacctgggt ggtctcgcta aggccatctg atcctctaga   1140
gt                                                                    1142
```

<210> 3  
<211> 408  
<212> DNA  
<213> artificial

<220>

<223> an approximately 410 bp SalI-SphII I fragment made using  
synthetic oligonucleotides (SEQ ID XXX-1)

<400> 3

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cggtcgaccg ctacggtgac tgacacctgg cgtgccgaga tcactcgcat cccctctac      60
aagggcaagt ctctgcgtaa ggctctcaag gagcacggtc tgctcgagga tttctgcag      120
aagcagcagt acggcatcag ctctaagtac agcggtttcg gcgagggtggc cagcgtgcct      180
ctcactaact acctggacag ccagtacttc ggtaagatct accttggcac tccccctcag      240
gagttcaccg ttctgttcga tactggttcc agcgacttct gggttccctc catctactgt      300
aagagcaacg cttgcaagaa ccaccagcgc ttcgatccctc gcaagtccag caccttccag      360
aaccttggca agcccccttc catccactac ggtactggca gcatgcag                    408
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<210> 4

<211> 233

<212> DNA

<213> artificial

<220>

<223> an approximately 220 bp SphI-BsrGI fragment made using synthetic  
oligonucleotides (SEQ ID XXX-2)

<400> 4

```
gcagcatgca ggggtatcctt ggctacgaca ccgttaccgt gtccaacatc gtcgatattc      60
agcagaccgt ggggtctgagc acccaggagc ctggcgatgt cttcacttac gccgagttcg      120
atggtatcct cggcatggct taccctctcc tggcctctga gtactctatc cctgtgttcg      180
acaacatgat gaaccgccac ctctgcgtc aggatctggt cagcgtgtac atg                    233
```

<210> 5

<211> 200

<212> DNA

<213> Artificial

<220>

<223> an approximately 190 bp BsrGI-KpnI fragment made using synthetic  
oligonucleotides (SEQ ID XXX-3)

<400> 5

```
gcgtgtacat ggaccgtaac ggtcaggagt ccatgcttac tctgggcgcc atcgatccct      60
cttactacac cggttccctc cactgggttc ctgtgaccgt ccagcagtac tggcagttca      120
ccgtggacag cgtcactatc tccggcgtgg ttgtggcttg cgaggggtggc tgtcaggcca      180
tccttgatac tggtaccagc                    200
```

<210> 6  
<211> 334  
<212> DNA  
<213> artificial

<220>  
<223> an approximately 320 bp KpnI-XbaI fragment made using synthetic  
oligonucleotides (SEQ ID XXX-4)

<400> 6  
ctggtaccag caagctcgtc ggccctcca ggcacatcct gaacatccag caggctatcg 60  
  
gtgccacca gaaccagtac ggcgagttcg atatcgactg cgataacctt tcttacatgc 120  
  
ctactgtggt tttcgagatc aacggtaaga tgtacccctt tactccttct gcttacactt 180  
  
cccaggatca gggcttctgt acctctggtt tccagtctga gaaccacagc cagaagtgga 240  
  
tccttggcga tgtcttcacg cgcgagtact actccgtctt cgaccgtgcc aacaacctgg 300  
  
tgggtctcgc taaggccatc tgatcctcta gagt 334

<210> 7  
<211> 334  
<212> DNA  
<213> artificial

<220>  
<223> a modified KpnI-XbaI fragment designed for construction of the  
modBM gene (SEQ ID XXX-5).

<400> 7  
ctggtaccag caagctcgtc ggccctcca ggcacatcct gaacatccag caggctatcg 60  
  
gtgccacca gaaccagtac ggcgagttcg atatcgactg cgataacctt tcttacatgc 120  
  
ctactgtggt tttcgagatc aacggtaaga tgtacccctt tactccttct gcttacactt 180  
  
cccaggatca gggcttctgt acctctggtt tccagtctga gaaccacacc cagaagtgga 240  
  
tccttggcga tgtcttcacg cgcgagtact actccgtctt cgaccgtgcc aacaacctgg 300  
  
tgggtctcgc taaggccatc tgatcctcta gagt 334

<210> 8  
<211> 66  
<212> DNA  
<213> artificial

<220>  
<223> synthetic polylinker (SalI-SphI-BsrGI-KpnI-XbaI) (SEQ ID XXX-6)

<400> 8  
ggccaggcgc gccttccatg gaagaatgcg gccgctaaac catcgatggc tcgagttggc 60

gcgccca

66

<210> 9

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Primer

<400> 9

catgtacacg ctgaacagat cctgagc

27

<210> 10

<211> 74

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Primer

<400> 10

cgtcgaccgc tacggtgact gacacctggc gtaccgacaa ctccaccgag atcactcgca 60

tccccctcta caag

74